

Abstract of the Disclosure

This invention relates to a closed loop duplex communications system having at least two antennae at the forward link transmitter. A feedback channel from the forward link receiver to the forward link transmitter carries feedback information about the phase and magnitude relationships of the forward link channels from different transmitter antennae. The feedback information is used to compute beamforming weights for the forward link. The signals received on the at least two antennae of the reverse link are used to compute code correlation parameters for application on the forward link.